



FIG.1

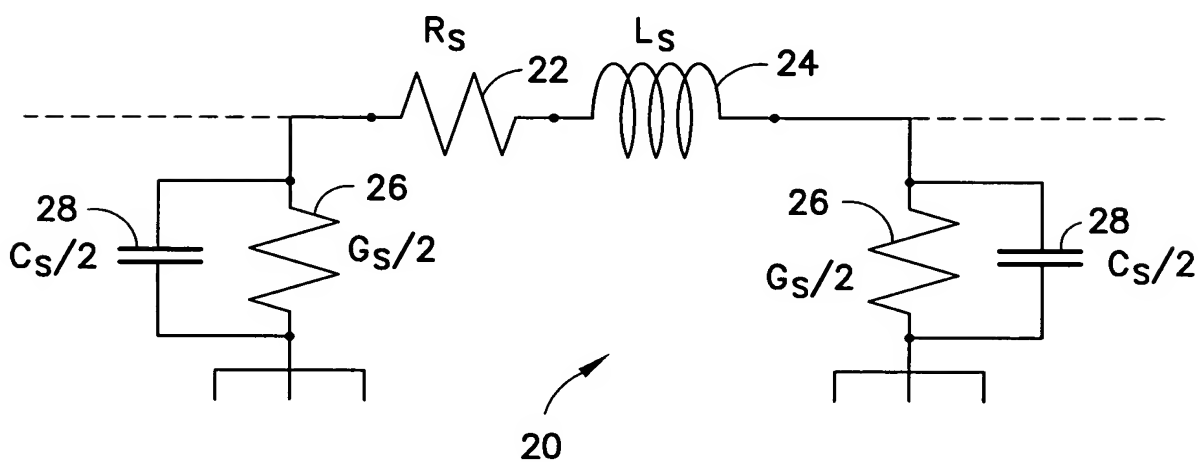


FIG.2

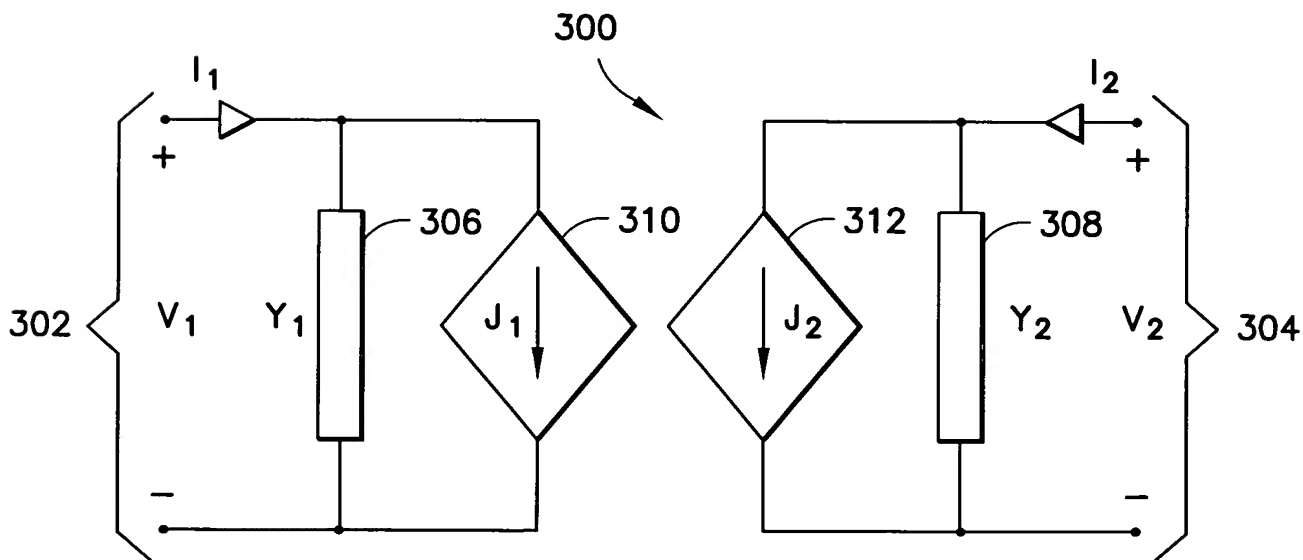
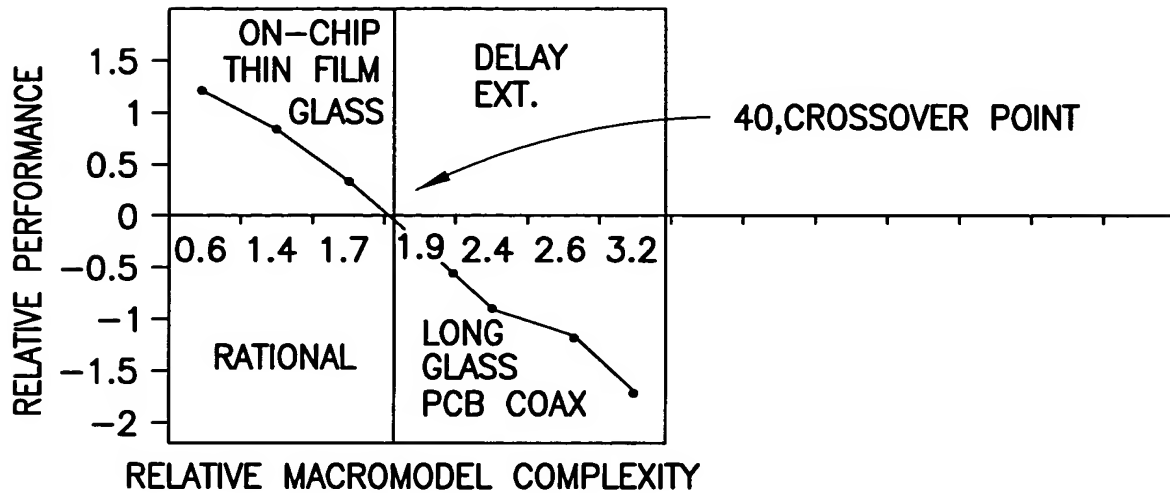


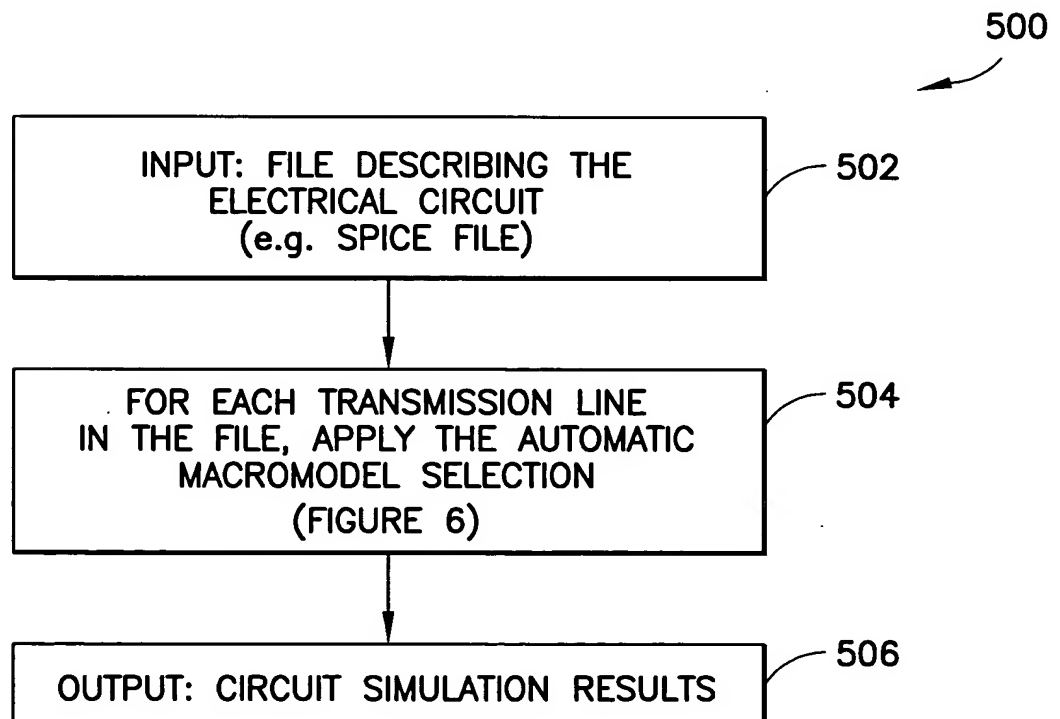
FIG.3

# EFFICIENCY OF TRANSMISSION LINE MACROMODELS



RELATIVE MODEL COMPLEXITY =  $\text{LOG}(\# \text{RATIONAL\_NODES} / \# \text{EXT\_DELAY\_NODES})$   
 RELATIVE PERFORMANCE =  $\text{LOG}(\text{RATIONAL\_CPU} / \text{EXT\_DELAY\_CPU})$

**FIG. 4**



**FIG. 5**

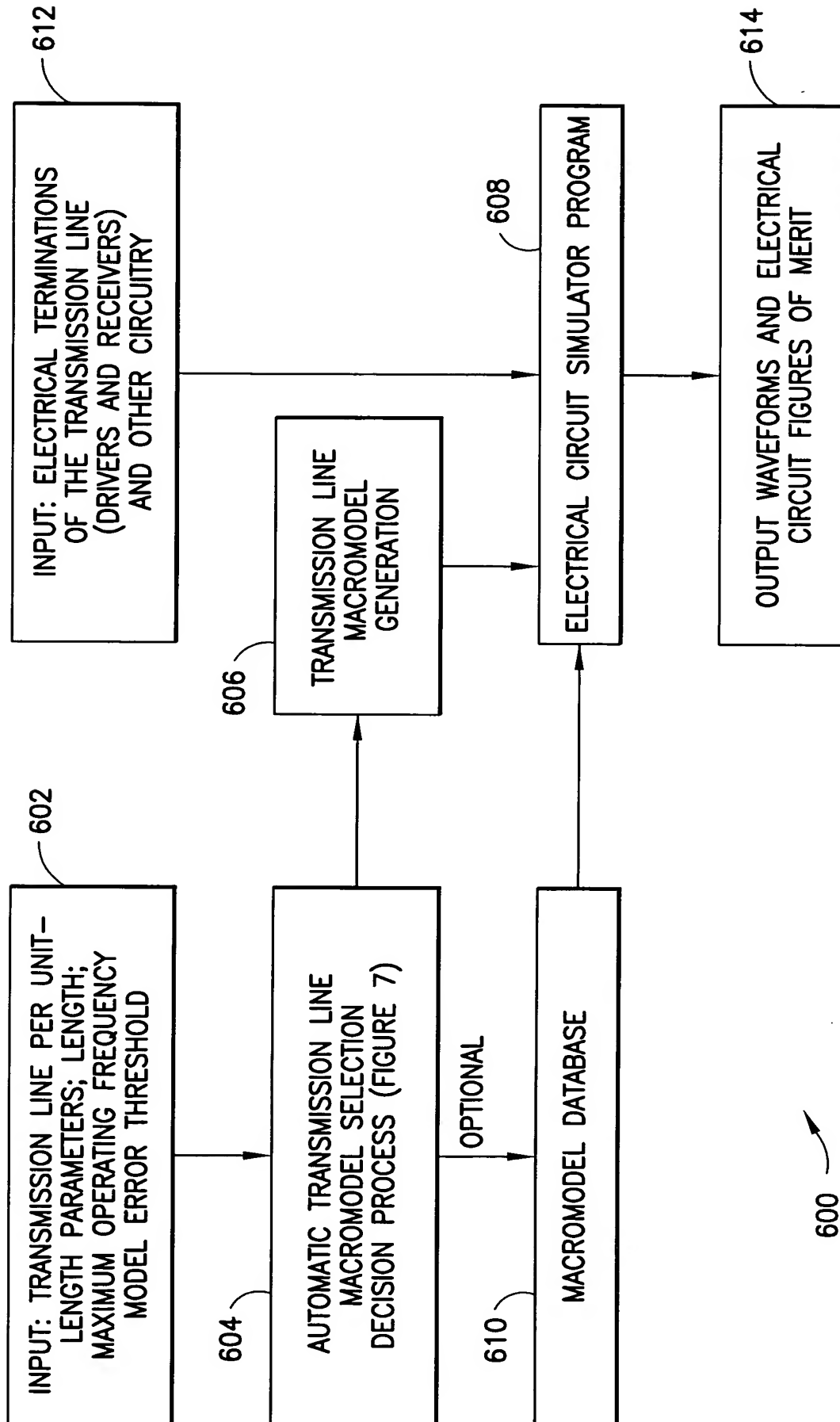


FIG.6

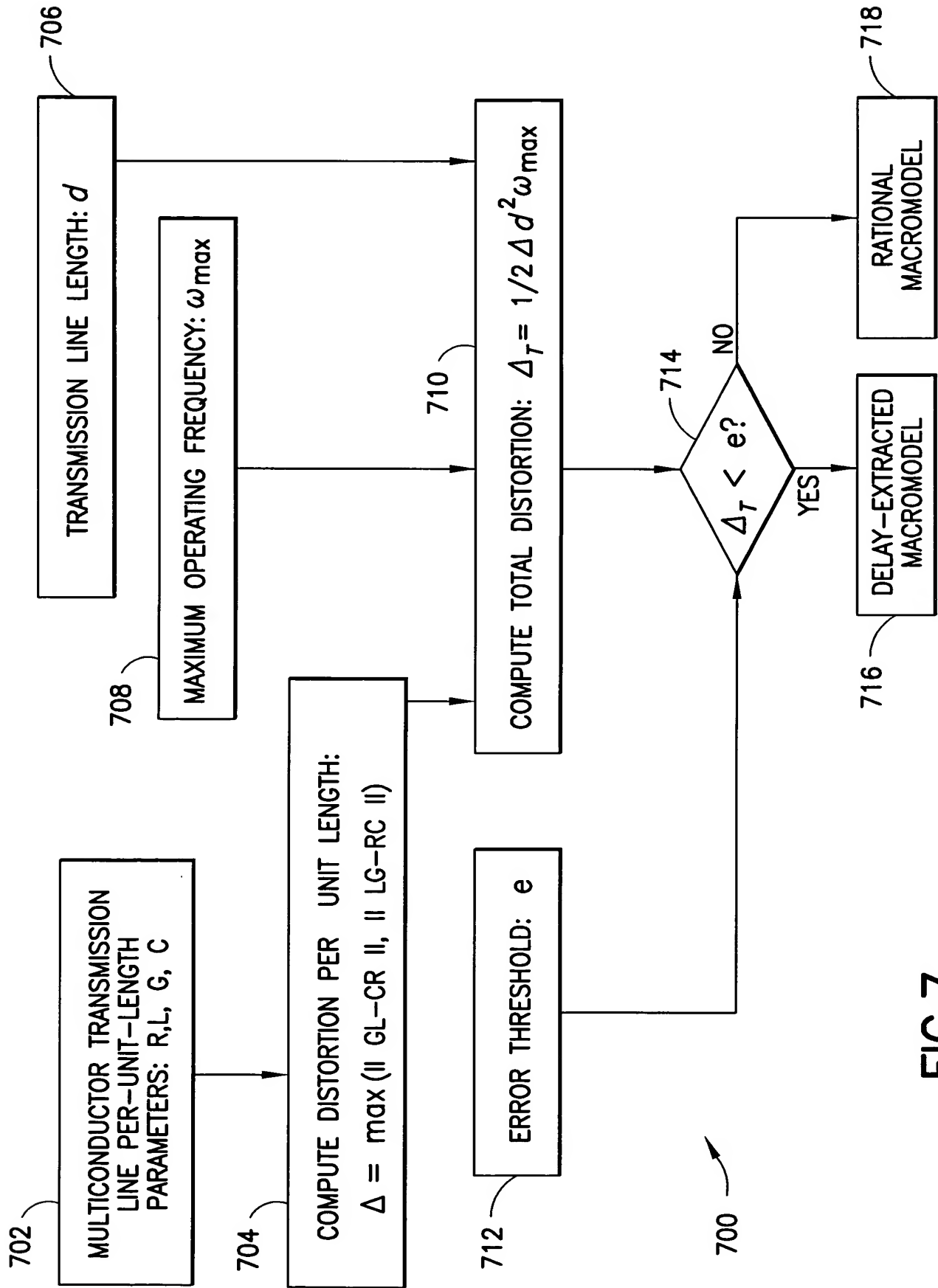


FIG. 7